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United States Department of Agriculture  
Agricultural Research Service  
Plant Pest Control Division, Western Region

BEET LEAFHOPPER SURVEY - DESERT AREAS OF SOUTHERN UTAH AND NEVADA,  
SOUTHEASTERN CALIFORNIA AND CENTRAL ARIZONA  
February 1 - February 15, 1968

Surveys made by Plant Pest Control Division personnel in the beet leafhopper spring breeding areas named indicate that, present conditions prevailing, movement of the pest from these areas to cultivated districts of central Arizona and southeastern California, southern Nevada, southern and eastern Utah, and western Colorado is expected to be moderate to heavy; movement to central Utah is expected to be moderate and to northern Utah light.

The southern desert breeding grounds, comprising approximately 50,000 square miles of potential weed host area, was considered to have an estimated 56 percent host plant cover at the time of the survey. Fall and early winter rains resulted in development of annual weed host plants in large areas of the winter breeding grounds.

The average number of beet leafhoppers per square foot in areas where host plants were present was 0.034 in 1968 as compared to 0.09 in 1967, 0.013 in 1966, 0.04 in 1965, 0.15 in 1964, 0.02 in 1963, 0.012 in 1962. It is estimated from the data collected during this survey that overwintering beet leafhoppers in the spring breeding areas totaled 24.1 billion as compared to 32.8 billion in 1967, 6.5 billion in 1966, 12 billion in 1965, 112 billion in 1964, 7.7 billion in 1963, 6.1 billion in 1962.

This report covers only the beet leafhopper situation as found in the area surveyed, and does not have reference to populations that may have overwintered in local breeding areas in northern and eastern Utah or western Colorado or western Nevada.

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February 23, 1968



SECOND ANNUAL REPORT OF THE  
BIRD BANDING PROGRAM  
FOR THE YEAR 1965  
BY J. R. HUTTON, JR.  
U.S. BUREAU OF BIRD BANDING  
SANTA MONICA, CALIFORNIA 90405

April 1, 1966

TO: DIRECTOR, BUREAU OF BIRD BANDING

FROM: J. R. HUTTON, JR., BIRD BANDING SUPERVISOR

SUBJECT: Second 1965 winter bird banding survey in desert areas  
of central Arizona, southeastern California, southern  
Nevada, and southern Utah

The second bird banding survey was made in the desert spring breeding  
areas March 11-22. Rainfall during February and early March was sufficient  
to provide best results. Bird migration is expected to peak from late  
April to all over the most western portions of the winter breeding areas.

Many local banding birds were observed in the Imperial Valley of  
California and in the House Valley of Nevada. Considerable banding was  
observed in western Maricopa and eastern Yuma Counties, Arizona. It can  
be expected that movement of bird banding birds from desert areas to spring  
breeding districts of central Arizona, southeastern California, southern  
Nevada, and southern Utah will be increased to heavy. Movement to eastern  
Utah and western Colorado is expected to be moderate to heavy. Movement to  
southern Nevada and central Utah is expected to be light to moderate.  
Movement to southern Utah is expected to be light.

J. R. Hutton, Jr.



